

Claims

- [c1] Having thus described the invention, what is claimed is:
- 1.A body mount assembly for mounting a mounting flange of a first component to a mounting bracket of a second component, comprising:
an upper member fabricated from a first elastomeric material and being positioned between the mounting flange and the mounting bracket;
a lower member fabricated from a second elastomeric material and being operable to engage said mounting bracket in an opposing relationship with respect to the upper member, said lower member being operable to isolate said mounting bracket from said mounting flange.
 - [c2] 2.The body mount assembly of Claim 1 wherein said upper member is fabricated from micro cellular urethane.
 - [c3] 3.The body mount assembly of Claim 2 wherein said lower member is fabricated from butyl rubber.
 - [c4] 4.The body mount assembly of Claim 2 wherein said lower member is fabricated from natural rubber.

- [c5] 5.The body mount assembly of Claim 3 wherein said upper member and said lower member are clamped together by a fastener passing through a central opening formed in each of said upper and lower members.
- [c6] 6.The body mount assembly of Claim 5 wherein said lower member is positioned between said mounting bracket and a retainer member coupled to said fastener.
- [c7] 7.In an automotive vehicle having a chassis frame formed with mounting brackets, and a plurality of body components formed with mounting flanges corresponding to said mounting brackets to permit attachment of said body components to said chassis frame, an improved body mount assembly interconnecting corresponding said mounting bracket and said mounting flange comprising:
an upper member fabricated from a first elastomeric material and being positioned between the mounting flange and the mounting bracket;
a lower member fabricated from a second elastomeric material and being operable to engage said mounting bracket in an opposing relationship with respect to the upper member, said lower member being operable to isolate said mounting bracket from said mounting flange.

- [c8] 8.The automotive vehicle of Claim 7 wherein said upper member and said lower member are clamped together by a fastener passing through a central opening formed in each of said upper and lower members.
- [c9] 9.The automotive vehicle of Claim 8 wherein said lower member is positioned between said mounting bracket and a retainer member coupled to said fastener.
- [c10] 10.The automotive vehicle of Claim 9 wherein said upper member is fabricated from micro cellular urethane.
- [c11] 11.The automotive vehicle of Claim 10 wherein said lower member is fabricated from butyl rubber.
- [c12] 12.In a body mount assembly for joining an automotive body component to a chassis frame having a mounting bracket formed thereon for connection to said body component via a fastener, said body mount assembly including an upper elastomeric member and a lower elastomeric member disposed on opposing sides of said mounting bracket to isolate said body component from said mounting bracket, the improvement comprising: said upper and lower members being fabricated from disparate elastomeric materials.
- [c13] 13.The body mount assembly of Claim 12 wherein one of said upper and lower members is fabricated from a soft

elastomeric material to minimize noise transfer from said mounting bracket to said body component, the other of said upper and lower members being fabricated from a harder elastomeric material to minimize the transmission of vibrations from said chassis frame through said mounting bracket to said body component.

- [c14] 14.The body mount assembly of Claim 13 wherein said upper member is positioned between said body component and said mounting bracket and said lower member is positioned on the opposing side of said mounting bracket from said upper member and is positioned between said mounting bracket and a retainer member coupled with said fastener.
- [c15] 15.The body mount assembly of Claim 14 wherein said fastener passes through an opening formed in the center of said upper and lower members to engage said retainer member and clamp said upper and lower members against said mounting bracket.
- [c16] 16.The body mount assembly of Claim 15 wherein said upper member is fabricated from micro cellular urethane.
- [c17] 17.The body mount assembly of Claim 16 wherein said lower member is fabricated from butyl rubber.

[c18] 18. The body mount assembly of Claim 17 wherein said lower member is formed of natural rubber.